

CLAIMS

1. An electronic device comprising:

a main body including a ceramic layer and an internal conductor layer,

5 a terminal electrode formed at end face of the main body and connected to said internal conductor layer, and

an external electrode comprised of a conductive sheet member formed with electrode connection part connected
10 to the outer end face of said terminal electrode and external connection part able to be connected to an external circuit, wherein

a width of said electrode connection part is narrower than a width of said external connection part and
15 is narrower than a width of said terminal electrode,

said external connection part is arranged so as to face a bottom surface of said main body by a predetermined separation distance from said main body, and,

when a width dimension of said main body is W_0
20 and a height dimension of said main body is T , said main body is designed so that the value of W_0/T becomes one in the range of 0.8 to 1.2.

2. The electronic device as set forth in claim 1, wherein a ratio (W_1/W) of a width dimension (W_1) of said
25 electrode connection part to a width dimension (W) of said

terminal electrode is not more than 0.5.

3. The electronic device as set forth in claim 2,
wherein said electrode connection part is connected at a
substantial center of said terminal electrode in the width
5 direction along a height direction of said terminal electrode.

4. The electronic device as set forth in claim 3,
wherein the width of the external connection part is
substantially the same as the width of said terminal
10 electrode.

5. The electronic device as set forth in claim 1,
wherein when the length dimension of the entirety of said
electronic device is L_1 and the separation distance of said
external connection part and the bottom surface of said main
15 body is D , the value of D/L_1 is in the range of 0.025 to
0.600.

6. The electronic device as set forth in claim 1,
wherein said terminal electrode is provided at one of two
end faces of said main body in the length direction and said
20 external terminal is arranged so as to be connected to the
terminal electrode.

7. The electronic device as set forth in claim 1,
wherein the terminal electrode of said main body and the
electrode connection part of said external terminal is
25 connected by high temperature solder or a conductive adhesive.

8. The electronic device as set forth in claim 1, wherein the base part of said electrode connection part is provided with a bent part.

5 9. The electronic device as set forth in claim 1, wherein said electrode connection part is provided with a body support supporting said main body and/or the bottom surface of the terminal electrode.

10 10. The electronic device as set forth in claim 3, wherein said body support is formed at each of two sides of said electrode connection part and is obtained by bending said conductive sheet member forming said external terminal to substantially right angle with respect to said electrode connection part.

15 11. The electronic device as set forth in claim 4, wherein said body support is formed by bending said electrode connection part in step-wise shapes.

20 12. The electronic device as set forth in claim 1, wherein said body support is formed by cutting and bending a part of said electrode connection part.

13. The electronic device as set forth in claim 1, wherein said electrode connection part is formed by bending into substantially U-shape.

25 14. The electronic device as set forth in claim 2, wherein a top end of the electrode connection part is provided

with a guide piece, for facilitating positioning with said main body, formed bent along a top surface of said main body.

15. An electronic device comprising:

a main body including a plurality of internal
5 conductor layers stacked via ceramic layers,
a pair of terminal electrodes formed at the two
ends of said main body in the longitudinal direction and
selectively connected to said internal conductor layers,
and

10 a pair of external terminals connected to said
terminal electrodes, wherein

each of said terminal electrodes has at least
electrode end face positioned at the end face of said main
body in the longitudinal direction and a electrode side face
15 formed at side face of said main body in the width direction
so as to continue from said electrode end face to the side
face, and

each of said external terminals is comprised of
conductive sheet member formed with an electrode connection
20 part connected to at least the electrode side face of said
terminal electrode and an external connection part able to
be connected to an external circuit.

16. The electronic device as set forth in claim 15,
wherein said external connection part is bent to
25 substantially perpendicular to said electrode connection

part and is separated from the bottom surface of said main body by a predetermined separation distance.

17. The electronic device as set forth in claim 15, wherein a width (L2) of said electrode side face of said terminal electrode is a length of 5% to 20% with respect to a length (L0) of said main body.

18. The electronic device as set forth in claim 17, wherein the width of said external terminal is equal to or less than the width (L2) of said electrode side face.

19. The electronic device as set forth in claim 15, wherein when the length dimension of said electronic device is L1 and said separation distance between said external connection part and the bottom surface of said main body is D, the value of $D/L1$ falls in the range of 0.025 to 0.600.

20. The electronic device as set forth in claim 15, wherein the electrode connection part of said external terminal further has end face connection piece to be connected to the electrode end face of said terminal electrode.

21. The electronic device as set forth in claim 17, wherein:

said terminal electrode further has electrode a top surface positioned at the top surface of the main body in a height direction, and

the electrode connection part of the external

terminal further has a top surface connection piece to be connected to the electrode top surface of said terminal electrode.

22. The electronic device as set forth in claim 21,
5 wherein said terminal electrode further has an electrode bottom surface positioned at the bottom surface of said main body in the height direction.

-23. The electronic device as set forth in claim 22,
wherein a width of said electrode top surface and electrode
10 bottom surface are substantially equal to said electrode side face.

24. The electronic device as set forth in claim 15,
wherein when a width dimension of said main body is W_0 and
a height dimension of said main body is T , said main body
15 is designed so that the value of W_0/T becomes one in the range of 0.8 to 1.2.

25. The electronic device as set forth in claim 15,
wherein the electrode connection part of said external
terminal is connected to electrode side faces of the terminal
20 electrodes of a plurality of main bodies stacked along a height direction.

26. The electronic device as set forth in claim 25,
wherein when a width dimension of said main bodies is W_0
and a total height dimension of the plurality of main bodies
25 is T , said main bodies are designed so that the value of

W0/T becomes one in the range of 0.8 to 1.2.

27. The electronic device as set forth in claim 20,
wherein the external connection part of said external
terminal is formed on the same plane as said end face
5 connection piece.

28. The electronic device as set forth in claim 15,
wherein said pair of external terminals are connected to
a pair of electrode side faces formed at the same side face
in the width direction of said main body.